

Converting Colors

XYZ(21.1946, 10.2333, 32.2980)

Have a look what the booklet for
XYZ(21.1946, 10.2333, 32.2980)
contains.

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Color

**XYZ(21.1050, 10.1868,
32.3064)**

Conversions

Conversions Part 1	
Format	Color
Hex	A3009C
RGB	163, 0, 156
RGB Percent	64%, 0%, 61%
CMY	0.3608, 0.9999, 0.3882
CMYK	0.00, 1.00, 0.04, 0.36
HSL	303°, 100%, 32%
HSV	303°, 100%, 64%
XYZ	21.1050, 10.1868, 32.3064
YIQ	66.5210, 47.0720, 83.0720

Conversions

Conversions Part 2

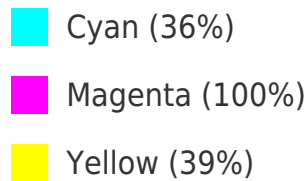
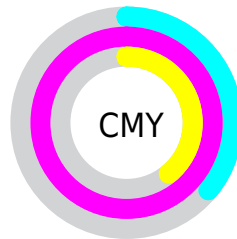
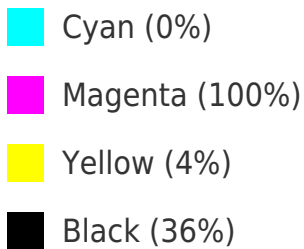
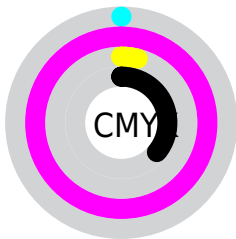
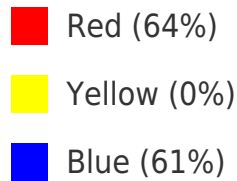
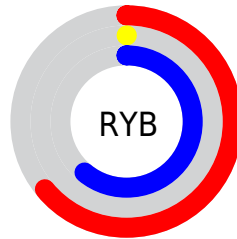
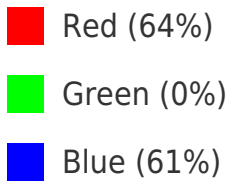
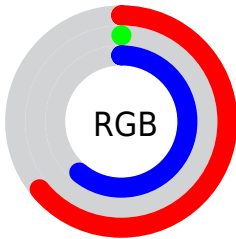
Format	Color
RYB	163, 0, 156
Decimal	10682524
CIELab	38.18, 69.26, -39.99
CIELCh	38, 79.974, 329.999
Yxy	10.1868, 0.3318, 0.1602
Android (android.graphics.Color)	4288872604 (0xFFA3009C)
YUV	66.5210, 44.1131, 84.6121
Hunter-Lab	31.9168, 62.1790, -37.6721

Details

The XYZ color **21.1050, 10.1868, 32.3064** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **13.1360, 26.2102, 4.5682**, and the grayscale version is **5.1892, 5.4594, 5.9453**.

A 20% lighter version of the original color is **44.8994, 26.2673, 64.3317**, and **8.4425, 4.0636, 13.4361** is the 20% darker color. If you saturate the color by 10%, you get **21.1052, 10.1869, 32.3062**, and if you desaturate by 10%, it is **21.3547, 10.5907, 32.6831**.


Distribution





Brightness & Saturation Gradients


These gradients show how the XYZ color 21.1050, 10.1868, 32.3064 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 21.1050, 10.1868, 32.3064 by changing the saturation by 10% instead.


 21.1050, 10.1868,
32.3064


 21.1050, 10.1868,
32.3064


 250.5571,
192.0001, 327.0483


 13.3137, 5.5230,
21.3289


 44.7522, 26.1463,
64.3946


 7.7234, 2.5573,
13.1710


 61.3387, 38.2107,
86.3424


 3.9688, 0.9052,
7.4143


 81.5878, 53.5108,
112.7840

 1.6845, 0.0000,
3.6402

 105.8646, 72.4310,
144.1379

 0.4465, 0.0000,
1.4301

 134.5346, 95.3556,
180.8228

 0.0000, 0.0000,
0.1650

 167.9631,

 0.0000, 0.0000,

122.6691, 223.2571

0.0000

206.5155,
154.7558, 271.8594

■ 21.1050, 10.1868,
32.3064

■ 21.1050, 10.1868,
32.3064

■ 21.1052, 10.1869,
32.3062

■ 21.3547, 10.5907,
32.6831

■ 21.7578, 11.3012,
33.1125

■ 22.3795, 12.4483,
33.6165

■ 23.2479, 14.0884,
34.2044

■ 24.3870, 16.2692,
34.8842

■ 25.8178, 19.0328,
35.6630

■ 27.5592, 22.4173,
36.5470

■ 29.6288, 26.4574,
37.5421

■ 32.0426, 31.1854,
38.6537

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



15.5563, 10.1868, 58.5824



21.1050, 10.1868, 32.3064



23.4260, 10.1868, 11.0924

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



21.1050, 10.1868, 32.3064



9.6825, 10.1868, 0.0000



3.3696, 10.1868, 32.3040

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



21.1050, 10.1868, 32.3064



13.1360, 26.2102, 4.5682

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



2.7524, 10.1868, 11.0910



21.1050, 10.1868, 32.3064



5.5116, 10.1868, 0.0000

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



21.1050, 10.1868, 32.3064



15.5568, 10.1868, 0.0000



3.3698, 10.1868, 2.0745



5.5113, 10.1868, 58.5803

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



21.1050, 10.1868, 32.3064



22.3615, 10.1868, 3.9228



3.3698, 10.1868, 2.0745



3.0199, 10.1868, 23.9668

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



21.1054, 10.1873, 32.3066



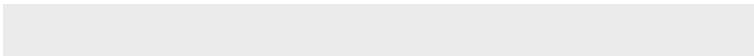
49.1639, 39.7732, 65.3572



6.6793, 2.6799, 34.8160



10.7483, 8.3614, 14.5320



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.1054, 10.1873, 32.3066



37.7776, 18.2359, 57.7536



16.4118, 8.3098, 7.5902



7.3511, 7.1969, 8.8354



16.4068, 7.9188, 25.1308



0.3485, 0.1679, 0.5478

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



21.1054, 10.1873, 32.3066



37.7776, 18.2359, 57.7536



14.8155, 26.8820, 13.4121



7.3511, 7.1969, 8.8354



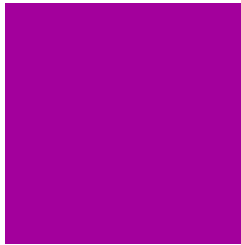
16.4068, 7.9188, 25.1308



0.3485, 0.1679, 0.5478

Previews

White Background



This preview shows how the XYZ color 21.1050, 10.1868, 32.3064 looks on a white background.

Color Contrast Check

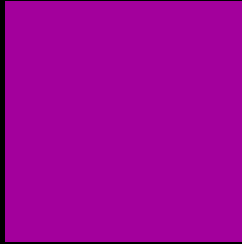
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 21.1050, 10.1868, 32.3064 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

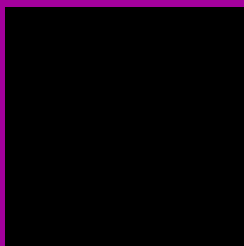
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.1050, 10.1868, 32.3064

Background



This preview shows how black text looks on a background with the XYZ color 21.1050, 10.1868, 32.3064.



This preview shows how white text looks on a background with the XYZ color 21.1050, 10.1868,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

21.1050, 10.1868, 32.3064

Protanopia

12.7577, 10.8189, 49.5600

Deuteranopia

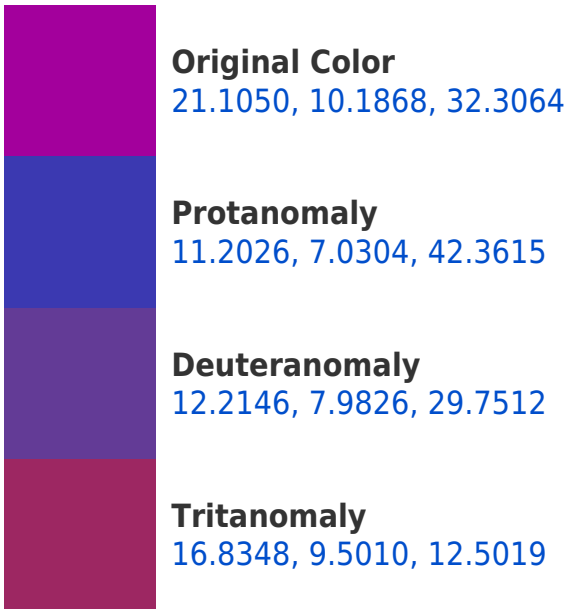
11.1674, 10.9594, 29.1306



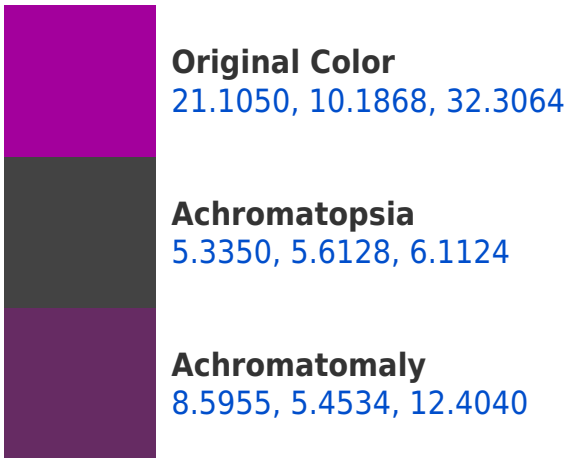
Tritanopia

15.9493, 10.5892, 6.2043

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1050, 10.1868, 32.3064 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(163, 0, 156)` looks like.

```
.text, #text, p{  
    color:rgb(163, 0, 156)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(163, 0, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 0, 156) }
```

Border

The CSS property to change the border of an element to XYZ 21.1050, 10.1868, 32.3064 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(163, 0, 156) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(163, 0, 156) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(163, 0, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 0, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 0, 156);  
box-shadow:4px 4px 4px 4px rgb(163, 0,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1050, 10.1868, 32.3064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 0, 156) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(163, 0,  
156) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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